

CONTENTS.

	PAGE
Proceedings of the Annual General Meeting of the Institute, with the Reports of Council and Treasurer	1
I. Presidential Address: Copper and its Alloys in Prehistoric Times. By W. GOWLAND, F.I.C., F.S.A., Professor of Metallurgy at the Royal School of Mines. (With Plates I-III)	11
II. Notes on the Ethnography of the Ba-Yaka. With Supplementary Note to "Notes on the Ethnography of the Ba-Mbala." By E. TORDAY and T. A. JOYCE, M.A. (With Plates IV, V)	39
III. Materials for a Study of Tatu in Borneo. By CHARLES HOSE, Sc.D., and R. SHELFORD, M.A., F.L.S. (With Plates VI-XIII)	60
IV. The "Genna" amongst the Tribes of Assam. By T. C. HODSON ...	92
V. Notes on a Collection of Ancient Eskimo Skulls. By J. BRIERLEY, B.A., F.R.G.S., with an Explanatory Note by F. G. PARSONS ...	104
VI. String Figures and Tricks from Central Africa. By WILLIAM A. CUNNINGTON, Ph.D. (With Plate XIV)	121
VII. Yoruba String Figures. By JOHN PARKINSON	132
VIII. String Figures from South Africa. By A. C. HADDON, Sc.D., F.R.S.	142
IX. Some Aspects of the Awemba Religion and Superstitious Observances. By J. H. WEST SHEANE, B.A., J.P., F.R.G.S., Native Commissioner	150
X. Notes on the Occurrence of Stone Implements in the Valley of the Zambesi around Victoria Falls. By G. W. LAMPLUGH, F.R.S., F.G.S. (With Plate XV)	159
XI. Note upon an Implement of Palæolithic Type from the Victoria Falls, Zambesi. By H. BALFOUR, M.A. (With Plate XVI)	170
XII. The Origin of Wampum. By D. I. BUSHNELL, Junr. (With Plates XVII, XVIII)	172
XIII. Notes on the Totemism of the Gold Coast. By C. H. HARPER and others. Communicated by C. G. SELIGMANN and N. W. THOMAS	178
XIV. Migrations. By Professor W. M. FLINDERS PETRIE, D.C.L., F.R.S. The Huxley Lecture for 1906. (With Plates XIX-XXIX) ...	189
XV. A Winter's Work on the Ipswich Palæolithic Site. By NINA FRANCES LAYARD, F.L.S. (With Plates XXX, XXXI)	233

	PAGE
XVI. Contributions to Egyptian Anthropology: III. The Anthropometry of the Modern Mahomedans; IV. The Comparison of the Mahomedans with the Copts and with the "Mixed" Group. By CHARLES S. MYERS	237
XVII. Notes on the Ethnography of the Ba-Huana. By E. TORDAY and T. A. JOYCE, M.A.	272
XVIII. The Gypsies of Persia. By Major P. MOLESWORTH SYKES, C.M.G. H.B.M.'s Consul-General and Agent to the Government of India in Khorāsān	302
XIX. Note on the Asaba People (Ibos) of the Niger. By JOHN PARKINSON, Principal, Mineralogical Survey of Southern Nigeria. (With Plates XXXV, XXXVI)	312
XX. On the Influence of Bias and of Personal Equation in Statistics of Ill-defined Qualities. By G. UDNY YULE, F.S.S.	325
XXI. Contributions to the Study of the Bororo Indians. (With a description of an Ethnographic Collection presented to the Berlin Museum für Völkerkunde.) By VOJTEČH FRIC and PAUL RADIN. (With Plates XXXVII-XXXIX)	382

MISCELLANEA.

Proceedings of the Anthropological Institute, 1906	407
Addenda to Australian Canoes and Rafts. By N. W. THOMAS, M.A. ...	409

ILLUSTRATIONS.

PLATES.

	<i>to face page</i>
I. Copper and its Alloys in Prehistoric Times. Figs. 1-5. Copper Celts, British Museum. Figs. 6-11. Bronze flat Celts, British Museum...	38
II. Copper and its Alloys in Prehistoric Times. Implements claimed as evidence of "Copper Age"	38
III. Copper and its Alloys in Prehistoric Times. Typical crucibles ...	38
IV. Notes on the Ethnography of the Ba-Yaka. Fig. 1. Wooden fetish. Fig. 2. Wooden drinking vessels. Fig. 3. Friction-drum ...	58
V. Notes on the Ethnography of the Ba-Yaka. Fig. 1. Hunting arrows. Fig. 2. Basket for currency shells. Fig. 3. War arrows. Fig. 4. Fish trap	58

to face page

VI. Materials for the Study of Tatu in Borneo. Fig. 1. Kayan dog design (<i>udoh asu</i>) for thighs of men. Fig. 2. Uma Balubo Kayan dog design. Fig. 3. Sea-Dayak scorpion design (<i>Kelingai Kala</i>) for thigh, arm, or breast of men. Fig. 4. Kenyah dog design, copied from a Kayan model. Figs. 5-6. Kayan dog designs. Fig. 7. Kayan double dog design for outside of thigh of man. Fig. 8. Kayan designs of dog with pups (<i>tuang nganak</i>). A = pup. For thigh of man. Fig. 9. Kenyah claws of centipede (?) design (<i>lipan katip</i>), for breast or shoulder of man. Fig. 10. Kenyah crab design (<i>toyu</i>), A = mouth (<i>ba</i>), B = claw (<i>katip</i>), C = back (<i>likut</i>), D = tail (<i>ikong</i>)	90
VII. Materials for the Study of Tatu in Borneo. Figs. 1-5. Sea-Dayak modification of the dog design. Fig. 6. Sea-Dayak modification of the dog design, but known as "scorpion" (<i>kala</i>) pattern. Figs. 7-8. Barawan and Kenyah modification of the dog design, known as "hook" (<i>kowit</i>) pattern. Fig. 9. Kenyah modification of the dog design, but known as the "prawn" (<i>urang</i>) pattern ...	90
VIII. Materials for the Study of Tatu in Borneo. Fig. 1. Kayan three-line pattern (<i>ida telo</i>) for back of thigh of woman of slave class. Fig. 2. Kayan four-line pattern (<i>ida pat</i>) for back of thigh of woman of middle class. Fig. 3. Kayan (Rejang R.) three-line pattern (<i>ida telo</i>) for back of thigh of women of upper and middle classes. Fig. 4. Kayan (Uma Pliau) design for front and sides of thigh of high class women. A = <i>tushun tura</i> , tuba root, B = <i>jalaut</i> , fruit of <i>Plukenetia corniculata</i> , D = <i>kowit</i> , interlocking hooks. Fig. 5. Kayan design for front of thigh of woman of high class. A = <i>tushun tura</i> , B = <i>dulang harok</i> , bows of a boat, C = <i>ulu tinggang</i> , hornbill's head, D = <i>beliling bulan</i> , full moons. Fig. 6. Barawan design for the shoulder or breast of men. Fig. 7. Design of uncertain origin, on the calf of the leg of an Ukit man ...	90
IX. Materials for the Study of Tatu in Borneo. Fig. 1. Kayan (Rejang R.) design known as <i>ida tuang</i> or <i>ida lima</i> for back of thigh of women of high rank. Note the hornbill heads at the top of the design. Fig. 2. Kayan (Rejang R.) design: compare with Figs. 5 and 11. Fig. 3. Long Glat hornbill design (after Nieuwenhuis). This is tatued in rows down the front and sides of the thigh. Fig. 4. Kayan (?) hornbill design, known, however, as the "dog without a tail" (<i>tuang buvong asu</i>). Fig. 5. Kayan (Rejang R.) tatu design known as "dog without a tail" (<i>tuang buvong asu</i>) pattern, for front and sides of thigh of women of high rank. Fig. 6. Kayan three-line and four-line design (<i>ida telo</i> and <i>ida pat</i>) for back of thigh of women of low class. Fig. 7. Uma Lekan Kayan anthropomorphic design (<i>sihong</i>), tatued in rows down front and sides of thigh. Figs. 8-10. Kayan bead (<i>lukut</i>) design, tatued on the wrist of men. Fig. 11. Portion of Uma Lekan Kayan design for back of thigh of women of high rank (after Nieuwenhuis) ...	90

	to face page
X. Materials for the Study of Tatoo in Borneo. Fig. 1. Tatoo design on the forearm of an Uma Lakan Kayan woman of high rank. Fig. 2. Tatoo design on the thigh of an Uma Lakan Kayan woman of high rank. Fig. 3. Tatoo design on the forearm of an Uma Pliau Kayan woman of high rank. A = <i>beliling bulan</i> , full moons : B = <i>dulang harok</i> , bows of a boat ; C = <i>kowit</i> , hooks ; D = <i>dawn wi</i> , leaves of bamboo ; E = <i>tushun tura</i> , bundles of tuba root. Fig. 4. Kenyah design, representing the open fruit of a species of mango (<i>ipa olim</i>) tatooed on breasts or shoulders of men. Fig. 5. Kayan (Baloi R.) <i>kalong kowit</i> or hook design for back of thigh of woman of high rank	90
XI. Materials for the Study of Tatoo in Borneo. Fig. 1. Design on the hand of a Skapan chief tatooed in the Kayan manner. Fig. 2. Design on the arm of a Peng man. Fig. 3. Design on the arm of a Kahayan man. Fig. 4. Design on the forearm of a Leppu Lutong woman. Fig. 5. Design on the forearm of a Long Utan woman. Fig. 6. Design on the thigh of a Long Utan woman. Fig. 7. Kenyah design, representing the <i>durian</i> fruit (<i>usong dian</i>) tatooed on the breast or shoulders of men	90
XII. Materials for the Study of Tatoo in Borneo. Fig. 1. Tatoo design on the forearm of a Kalabit woman. Fig. 2. Tatoo design on front of leg of a Kalabit woman, C = <i>betik lulud</i> , shin pattern. Fig. 3. Tatoo design on back of leg of a Kalabit woman, A = <i>betik buah</i> , fruit pattern ; B = <i>betik lava</i> , trunk pattern. Fig. 4. Tatoo design on front of leg of the same Kalabit woman, D = <i>betik karawin</i> , E = <i>ujat batu</i> , hill-tops. Fig. 5. Tatoo design on the forearm of an Uma Long woman. Fig. 6. Tatoo design on arms and torso of a Biajau man of low class. Fig. 7. Tatoo design on leg of Biajau man of low class. Fig. 8. Tatoo design on shin of Biajau woman of low class. Fig. 9. Kajaman (?) design representing the fruit of <i>Plukenetia corniculata</i> (<i>jalauf</i>) tatooed on the breast or shoulders of men. Fig. 10. Tatoo design on the biceps of an Ukit man, said to represent a bead (<i>lukut</i>)	90
XIII. Materials for the Study of Tatoo in Borneo. Figs. 1-2. Design (<i>gerowit</i> , hooks) tatooed on the breast of a Bakatan man. Figs. 3-4. Design (<i>akih</i> , tree gecko) tatooed on the shoulder of a Bakatan man. Fig. 5. Design tatooed on the calf of the leg of an Ukit. Fig. 6. Tatoo design on the foot of a Kayan woman of low class. Fig. 7. Design representing an antique bead (<i>lukut</i>) tatooed on the wrist of a Bakatan girl. Fig. 8. Design (<i>gerowit</i>) tatooed on the metacarpals of a Bakatan girl. Fig. 9. Design (<i>kanak</i> , circles) on the back of a Bakatan man. Fig. 10. Design (<i>gerowit</i>) tatooed on the throat of a Bakatan man	90
XIV. String Figures and Tricks from Central Africa. Fig. 1. Sumbo. Fig. 2. Kitala. Fig. 3. Name unascertainable. Fig. 4. Shimo ...	130
XV. Stone Implements from the Zambesi Valley	168

	to face page
XVI. Chalcedony Implement of Palæolithic Form from an old Gravel Deposit of the Zambezi...	170
XVII. The Origin of Wampum. Fig. 1. "A cheif Herowan." Fig. 2. "One of the Wyves of Wyngyno"	176
XVIII. The Origin of Wampum. Wampum in the British Museum ...	176
XIX. Migrations. A King of the First Dynasty	220
XX-XXVI. Migrations	220
XXVII. Variability of Curves, and Forms of Compound Curves	232
XXVIII, XXIX. Curves of Egyptian Skull Dimensions	232
XXX. A Winter's Work on the Ipswich Palæolithic Site. A. Eight Palæolithic scrapers. (Ipswich.) B. Twelve Palæolithic skinning knives (Layard Coll., Ipswich Museum)	236
XXXI. A Winter's Work on the Ipswich Palæolithic Site. A. Found in red gravel at a depth of 11 ft. 10 in. B. Found in mixed red and gray clay at a depth of 9 ft.	236
XXXII. Notes on the Ethnography of the Ba-Huana. Fig. 1. Fancy carving in wood. Fig. 2. Bow. Fig. 3. Arrows. Fig. 4. Iron-bladed knife with wooden hilt. Fig. 5. Instrument used in making mats; iron quadrangular blade with wooden handle. Fig. 6. Wooden pillow. Fig. 7. Piano. <i>Kimbanda</i> . Figs. 8 and 9. Knives used in the castration of animals	300
XXXIII. Notes on the Ethnography of the Ba-Huana. Fig. 1. Rat trap. Fig. 2. Basket. Fig. 3. Wooden box, ornamented by sewing with split cane. Fig. 4. Wooden box, sewn with split cane, containing fetishes. Fig. 5. Network bag for carrying food. Fig. 6. Wooden comb in the making; the wooden teeth are stuck in a piece of pith, while the ends are bound together with fine split cane. Fig. 7. Small hide pouch sewn with cane containing flint and tinder	300
XXXIV. Notes on the Ethnography of the Ba-Huana. Figs. 1-8. Baskets ...	300
XXXV. Notes on the Asaba people (Ibos) of the Niger. Fig. 1. Asaba men. Fig. 2. The Eighu Ulo. Men dancers. Fig. 3. Offerings in Niches, Benin City. Fig. 4. The Eighu Ulo. Girl dancers ...	324
XXXVI. Notes on the Asaba people (Ibos) of the Niger. Figs. 1, 2. Asaba men. Fig. 3. Construction of "medicine": shrine at Okpanäm. Fig. 4. Ornamental screen: shrine at Okpanäm ...	324
XXXVII. Contributions to the Study of the Bororo Indians	406
XXXVIII. Contributions to the Study of the Bororo Indians. <i>a-i</i> . Feather ornaments and lip borer. <i>a-q</i> . Feather ornaments with lip borer (<i>k</i>)	406
XXXIX. Contributions to the Study of the Bororo Indians. Fig. 1, <i>a-q</i> . Ear pendants and breast ornaments. Fig. 2. <i>a-e</i> . Fish-dance ornaments. <i>f-l</i> . Musical instruments	406

BLOCKS IN THE TEXT.

	PAGE
Mass of native copper found in ancient workings, Lake Superior district (Fig. 1)	12
Implements of native copper, Lake Superior district (Fig. 2) ...	14
Ancient Egyptian furnace (Fig. 3) ...	15
Lead smelting furnace, Central Bolivia (Fig. 4) ...	16
Japanese smelting furnace (Fig. 5) ...	16
Japanese smelting operations (Fig. 6) ...	17
Primitive furnace constructed at the Royal School of Mines (Fig. 7) ...	20
Celt found near Segeberg, Schleswig-Holstein (Fig. 8) ...	23
Copper Celts, halberd and dagger (Fig. 9) ...	25
Bronze flat Celts. 1 and 2. Schleswig-Holstein. 3. Morayshire. 4. Dumfries-shire ...	25
Bronze flat axe. British Museum (Fig. 11)...	26
Stone mould found at El Argar. British Museum (Fig. 12) ...	36
Section of grave ...	48
Materials for a Study of Tatu in Borneo :—	
(Figs. 1, 2) ...	66
(Figs. 3–6) ...	74
(Fig. 7) ...	76
(Figs. 8, 9) ...	83
(Fig. 10) ...	86
(Figs. 11–13) ...	87
<i>Nsakwe</i> , a temporary grass hut (Fig. 1) ...	124
<i>Kitala</i> , a bed (Fig. 2) ...	126
<i>Lutanda</i> , a star (Fig. 3) ...	127
<i>Shimo</i> , a pit (Fig. 4) ...	128
<i>Mwezi</i> , the moon (Fig. 5) ...	129
<i>Nzige</i> , a locust (Fig. 6) ...	131
<i>Añwoñ</i> , a calabash net (Fig. 1) ...	132
<i>Gari</i> , a saddle (Figs. 2, 3) ...	133
<i>Pang-pa-ta</i> (Figs. 4, 5) ...	134
<i>Omori-odo</i> , a <i>fu-fu</i> stick (Fig. 6) ...	134
<i>Adūñ</i> , a bat (Fig. 7) ...	134
<i>Eye</i> , birds (Figs. 8, 9) ...	135
Moving figure (Fig. 10) ...	136
<i>Ile Unde</i> , parrot cage (Fig. 11A) ...	136
" " (Fig. 11B) ...	137
<i>Awkwa Ileida</i> , a pig sack (Figs. 12A, 12B) ...	137
<i>Kokoro</i> , a caterpillar (Figs. 13, 14) ...	138
<i>Agbo mejji fi wokorra</i> , two rams with horns interlocked (Fig. 15) ...	139
<i>Ke ke o'louw</i> , Owu face mark (Fig. 16) ...	139
<i>Arubeli Ashaw Ayabe</i> , train of cloth of the Queen (Fig. 17) ...	140
Zambezi River (Figs. 1, 1A) ...	143
<i>Kanyandi</i> , fish trap (Fig. 2) ...	145
Fighting lions (Figs. 3, 3A) ...	147
<i>Ambra</i> (Fig. 4) ...	148
Sketch-map (Fig. 1) ...	160
Sketch-plan (Fig. 2) ...	162

	PAGE
Section of the west bank of the Maramba River, a few yards south of the wagon-drift near Livingstone (Fig. 3) ...	164
Photograph of pit (Fig. 1) ...	235
Contributions to Egyptian Anthropology :—	
Map (Fig. 1) ...	238
Head Length (Figs. 2-6) ...	247
Head Breadth (Figs. 7-11) ...	248
Cephalic Index (Figs. 12-16) ...	249
Nasal Length (Figs. 17-21) ...	250
Nasal Breadth (Figs. 22-26) ...	251
Nasal Index (Figs. 27-31) ...	252
Upper Facial Index (Figs. 32-36) ...	253
Combined Cephalic Index (Fig. 37) ...	254
Combined Nasal Index (Fig. 38) ...	254
Notes on the Ethnography of the Ba-Huana :—	
(Fig. 1) ...	276
(Fig. 2) ...	280
(Fig. 3) ...	282
Genealogy of the Ba-Huana (Fig. 4) ...	285
(Fig. 5) ...	287
Igwi, holding Azuzu, with attendant (Fig. 1) ...	315
(Fig. 1) ...	338
(Fig. 2) ...	339
(Fig. 3) ...	357
Bas and lip ornaments (Fig. 1) ...	395
Bad spirit, "Bope" (Fig. 2) ...	400

ERRATUM.

Plates VI-XIII, for "Tutu" read "Tatu."